

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A data unit processing entity in a data unit transmission network ~~comprising~~, said data unit transmission network associated with a plurality of network nodes, said plurality of network nodes comprising including routing nodes and end nodes, said routing nodes being arranged to route data units over said data unit transmission network in accordance with a routing protocol, one or more of said end nodes being mobile nodes capable of accessing said data unit transmission network over more than one link, said network nodes being arranged to distinguish between a first type routing address and a second type routing address in said data units, said first type routing address serving to identify network nodes and said second type routing address serving to allow routing to mobile nodes,

said data unit processing entity comprising comprising:

a decision data memory storing decision data for associating one or more second type routing addresses for a particular first type routing address;

a decision part for receiving a data unit that is to be forwarded and for setting the a second type routing address in a said received data unit that is to be forwarded, an operation of said decision part depending on the a first type routing address set in said received data unit that is to be forwarded and on said decision data stored in association with said first type routing address in said decision data memory; a decision data memory, said decision data comprising one or more second type routing addresses and,

a management part for said decision data memory, where said management part provides an a first interface to said decision data memory for modifying said decision data, and a second interface to a network control function entity allowing said network control function entity access to said decision data memory for modifying said decision data independently from said mobile nodes, said interface is arranged to provide a

~~network control function with access to said decision data memory, independently of access provided to one or more mobile nodes.~~

2. (Previously Presented) The data unit processing entity of claim 1, wherein said decision data comprises decision rules and decision parameters, wherein said interface is arranged for modifying said decision rules and decision parameters.
3. (Previously Presented) The data unit processing entity of claim 1, wherein said decision part is arranged to dynamically select one of said second type routing addresses from said decision data.
4. (Previously Presented) The data unit processing entity of claim 3, wherein said decision part is arranged to perform said dynamic selection for each data unit to be forwarded.
5. (Currently Amended) The data unit processing entity of claim 1, wherein said second interface is arranged to provide a plurality of ~~control functions~~ network control function entities with access to said decision data memory.
6. (Currently Amended) The data unit processing entity of claim 5, wherein at least one of said ~~control functions~~network control function entities is located in one of said mobile nodes.
7. (Currently Amended) The data unit processing entity of claim 5, wherein one or more of said ~~control functions~~network control function entities are network resource management functions.
8. (Currently Amended) The data unit processing entity of claim 1, wherein said network control function entity is arranged to determine parameters related to access links over which said mobile nodes access said data unit transmission network,

and to modify said decision data in dependence on said parameters related to access links.

9. (Currently Amended) A method of controlling a data unit processing entity in a data unit transmission network ~~comprising~~, said data unit transmission network associated with a plurality of network nodes, said network nodes comprising including routing nodes and end nodes, ~~the method comprising:~~

~~routing data units via said routing nodes being arranged to route data units over~~ said data unit transmission network in accordance with a routing protocol, one or more said end nodes being mobile nodes capable of

~~one or more of said end nodes, said end nodes being mobile nodes~~ said network nodes being arranged to distinguish between a first type routing address and a second type routing address in said data units, said first type routing address serving to identify network nodes and said second type routing address serving to allow routing to mobile nodes, said method comprising the steps of:

storing decision data for associating one or more second type routing addresses for a particular first type routing address;

utilizing a decision procedure setting the second type routing address in a received data unit that is to be forwarded, depending on the first type routing address set in said received data unit that is to be forwarded and on said decision data stored in association with said first type routing address in-a said decision data memory, ~~said decision data comprising one or more second type routing addresses,~~

utilizing a management procedure for said decision data memory, where said management procedure provides ~~an~~ a first interface to said decision data memory for modifying said decision data, and a second interface to a network control function entity allowing said network control function entity access to said decision data memory for modifying said decision data independently from said mobile nodes. ~~said interface being arranged to provide a network control function with access to said decision data memory, independently of access provided to one or more mobile nodes.~~

10. (Previously Presented) The method of claim 9, wherein said decision data comprises one or more decision rules and one or more decision parameters, and said interface is arranged for modifying said decision rules and decision parameters.
11. (Previously Presented) The method of claim 9, further comprising dynamically selecting one of said second type routing addresses from said decision data.
12. (Previously Presented) The method of claim 11, further comprising performing said dynamic selection for each data unit to be forwarded.
13. (Currently Amended) The method of claim 9, wherein said second interface provides a plurality of network control functions function entities with access to said decision data memory.
14. (Currently Amended) The method of claim 13, wherein at least one of said control functions network control function entities is located in one of said mobile nodes.
15. (Currently Amended) The method of claim 13, wherein one or more of said control functions network control function entities are network resource management functions.
16. (Currently Amended) The method of claim 13, said network control function entity determining parameters related to access links over which said mobile nodes access said data unit transmission network, and modifies said decision data in dependence on said parameters related to access links.
